Listing of Claims

1   Claim 1 (Currently Amended): A method of transferring data from a first end system
2   to a second end system, wherein said first end system and said second end system are
3   connected by a network, said method being performed in said first end system, said method
4   comprising:
5   determining whether to send said data in a compressed format;
6   if it is determined to send said data in said compressed format, compressing said data
7   to generate compressed data using a compression approach and sending said compressed data
8   to said second end system on said network; and
9   otherwise, sending said data in an uncompressed format to said second end system on
10   said network-,
11   wherein said determining checks a processing load on each of said first end system
12   and said second end system, and determines not to send said data in said compressed format
13   if the processing load on either end system is determined to be more than a first threshold.

     Claim 2: (Canceled)

1   Claim 3 (Currently Amended): The method of claim 1 2, wherein said processing load
2   is checked periodically.

1   Claim 4 (Original): The method of claim 1, wherein said determining checks a type
2   of said data and determines not to send said data in said compressed format if said type does
3   not lend to substantial data compression.

1   Claim 5 (Original): The method of claim 1, wherein said determining examines a size
2   of said data and determines not to send said data in said compressed format if said size is
3   small.

1   Claim 6 (Currently Amended): The method of claim 5, wherein said determining
2   further checks a speed of data transfer on said network and determines not to use said
3   compressed format if said speed is high.

1   Claim 7 (Original): The method of claim 6, wherein said speed is determined by

2   sending an ICMP echo packet.

1   Claim 8 (Currently Amended): The method of claim 1 6, wherein said determining

2   further checks a speed of data transfer on said network and determines not to use said

3   compressed format if said speed is high,

4   wherein said speed is determined by including a first local time stamp in a packet sent

5   to said second end system, and receiving a second time stamp and a third time stamp from

6   said second end system at a time specified by a fourth local time stamp, wherein said second

7   time stamp indicates a time at which said packet is received in said second end system and

8   said third time stamp indicates a time at which said packet is send sent from said second end

9   system, wherein said speed is determined based on said first local time stamp, said second

10 time stamp, said third time stamp, and said fourth time stamp.

1   Claim 9 (Original): The method of claim 1, wherein said first end system comprises

2   one of a database server and a database client, and said second end system comprises the

3   other one of said database server and said database client.

1   Claim 10 (Original): The method of claim 1, wherein said data comprises software

2   instructions.

1   Claim 11 (Currently Amended): A computer readable medium carrying one or more

2   sequences of instructions for causing a first end system to transfer a second end system,

3   wherein said first end system and said second end system are connected by a network,

4   wherein execution of said one or more sequences of instructions by one or more processors

5   contained in said first end system causes said one or more processors to perform the actions

6   of:

7   determining whether to send said data in a compressed format;

8   if it is determined to send said data in said compressed format, compressing said data

9   to generate compressed data using a compression approach and sending said compressed data

10 to said second end system on said network; and

11   otherwise, sending said data in an uncompressed format to said second end system on

12   said network-,

13   wherein said determining checks a processing load on each of said first end system

14   and said second end system, and determines not to send said data in said compressed format

15   if the processing load on either end system is determined to be more than a first threshold.

        Claim 12: (Canceled)

1   Claim 13 (Currently Amended): The computer readable medium of claim 11 12,

2   wherein said processing load is checked periodically.

1   Claim 14 (Currently Amended): The computer readable medium of claim 11 1,

2   wherein said determining checks a type of said data and determines not to send said data in

3   said compressed format if said type does not lend to substantial data compression.

1   Claim 15 (Currently Amended): The computer readable medium of claim 11 1,

2   wherein said determining examines a size of said data and determines not to send said data

3   in said compressed format if said size is small.

1   Claim 16 (Currently Amended): The computer readable medium of claim 15, wherein

2   said determining further checks a speed of data transfer on said network and determines not

3   to use said compressed format if said speed is above a second threshold.

1   Claim 17 (Original): The computer readable medium of claim 16, wherein said speed

2   is determined by sending an ICMP echo packet.

1   Claim 18 (Currently Amended): The computer readable medium of claim 11 16,

2   wherein said determining further checks a speed of data transfer on said network and

3   determines not to use said compressed format if said speed is above a second threshold,

4   wherein said speed is determined by including a first local time stamp in a packet sent

5   to said second end system, and receiving a second time stamp and a third time stamp from

6   said second end system at a time specified by a fourth local time stamp, wherein said second

7   time stamp indicates a time at which said packet is received in said second end system and

8   said third time stamp indicates a time at which said packet is <u>sent</u> <s>send</s> from said second end

9   system, wherein said speed is determined based on said first local time stamp, said second

10   time stamp, said third time stamp, and said fourth time stamp.

1   Claim 19 (Currently Amended): The computer readable medium of claim <u>11</u> <s>1</s>,

2   wherein said first end system comprises one of a database server and a database client, and

3   said second end system comprises the other one of said database server and said database

4   client.

1   Claim 20 (Currently Amended): The computer readable medium of claim <u>11</u> <s>1</s>,

2   wherein said data comprises software instructions.

1   Claim 21 (Currently Amended): An apparatus for transferring data from a first end

2   system to a second end system, wherein said first end system and said second end system are

3   connected by a network, said apparatus being performed in said first end system, said

4   apparatus comprising:

5   means for determining whether to send said data in a compressed format;

6   means for compressing said data to generate compressed data using a compression

7   approach and means for sending said compressed data to said second end system on said

8   network if it is determined to send said data in said compressed format; and

9   means for sending said data in an uncompressed format to said second end system on

10   said network otherwise<s>.</s><u>,</u>

11   <u>wherein said means for determining checks a processing load on each of said first end</u>

12   <u>system and said second end system, and determines not to send said data in said compressed</u>

13   <u>format if the processing load on either end system is determined to be more than a third</u>

14   <u>threshold.</u>

Claim 22: (Canceled)

1   Claim 23 (Currently Amended): The apparatus of claim <u>21</u> <s>22</s>, wherein said

2   processing load is checked periodically.

1   Claim 24 (Original): The apparatus of claim 21, wherein said means for determining

2 checks a type of said data and determines not to send said data in said compressed format if

3 said type does not lend to substantial data compression.

1   Claim 25 (Original): The apparatus of claim 21, wherein said means for determining

2 examines a size of said data and determines not to send said data in said compressed format

3 if said size is small.

1   Claim 26 (Currently Amended): The apparatus of claim 25, wherein said means for

2 determining <u>further</u> checks a speed of data transfer on said network and determines not to use

3 said compressed format if said speed is high.

1   Claim 27 (Original): The apparatus of claim 26, wherein said means for determining

2 determines said speed by sending an ICMP echo packet.

1   Claim 28 (Currently Amended): The apparatus of claim <u>21</u> ~~26~~, <u>wherein said means</u>

2 <u>for determining further checks a speed of data transfer on said network and determines not</u>

3 <u>to use said compressed format if said speed is high,</u>

4 wherein said means for determining includes a first local time stamp in a packet sent

5 to said second end system, and receives a second time stamp and a third time stamp from said

6 second end system at a time specified by a fourth local time stamp, wherein said second time

7 stamp indicates a time at which said packet is received in said second end system and said

8 third time stamp indicates a time at which said packet is send from said second end system,

9 wherein said speed is determined based on said first local time stamp, said second time stamp,

10 said third time stamp, and said fourth time stamp.

1   Claim 29 (Original): The apparatus of claim 21, wherein said first end system

2 comprises one of a database server and a database client, and said second end system

3 comprises the other one of said database server and said database client.